

ABSTRACT

Methods and arrangements are provided for compressing, transporting and decompressing/rendering concentric mosaic image data. The methods and arrangements compress concentric mosaic image data using reference block coding (RBC) techniques. Such RBC techniques selectively divide each of the frames of the concentric mosaic image data into blocks, and then predictively encodes each of these blocks. Some of the blocks are independently encoded as anchor blocks. Each of the remaining blocks is encoded as a predicted block with motion compensation to the anchor frame. The resulting compressed data file includes indexing information that can be used to selectively, randomly access the compressed data during decompression/rendering. A bitstream can be selectively tailored to provide portions of the compressed data file, as needed, for example, during rendering of a particular user-selected view of the concentric mosaic image scene.